ADIL AIJAZ
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EDUCATION

M.Eng. Computer Science, Cornell University May 2007

- Course work in information retrieval, data mining, natural language processing and machine learning.

B.S. Computer Science & Engineering, UCLA, GPA 3.41 December 2005

PROFESSIONAL EXPERIENCE

Parasoft Corporation March 2005 – July 2006
Software Engineer

- Worked on BPEL Maestro, a Java run-time engine and editor for Business Process Execution Language (BPEL), which facilitates specification of business processes over the web service interaction model.
- Assumed major development responsibilities from Project Manager, including redesigning of the engine to support concurrency within business processes.
- Supported information retrieval on executed business processes by logging their execution flow.
- Developed a business process for scientists at the Lawrence Livermore National Laboratory operated by the University of California, Berkeley to program biological assay development experiments.
- Designed a customer relationship management business process for the Parasoft sales department.

Complex Networks Group, UCLA Department of Electrical Engineering June 2004 – March 2005
Software Developer

- Implemented probabilistic web crawling for researchers studying web link analysis and the structure of web as an information network.
- Created an index of nearly one hundred thousand web pages from current and archived web, via the Internet Archive. The index was presented in graphical form to researchers studying the evolution of query specific information hubs and authorities.
- Facilitated link analysis research on patents registered with the U.S. Patent Office using the aforementioned probabilistic crawling paradigm.
- Implementation via Java, with modifications to Nutch, an existing search engine.

SOFTWARE DEVELOPMENT PROJECTS

The Web Lab Crawler – A Web Archive

- Creating a framework for focused web crawling to allow study of information networks on the web.
- Performing crawls on The Web Lab database, exposed via web services, instead of crawling the web.
- Implementation via Heritrix, a pure Java, open source web crawler.

Open Road – A Distributed Traffic Congestion Viewer

- Participated in design of Open Road, a real time traffic viewer, developed in Python.
- Extracted GPS data from client devices for periodic reporting to distributed servers.

Climate Aware – An embedded climate monitoring sensor network

- Utilizing TinyOS and nesC, a variant of C, designed a climate monitoring sensor network.
- Programmed sensors to report soil moisture and light intensity levels to a base station. The data collected from all sensors was presented to the user in a graphical user interface.

PROGRAMMING LANGUAGES

Java, BPEL, SQL, C/C++, Python, and nesC.